

## Refine Search

### Search Results -

| Terms                     | Documents |
|---------------------------|-----------|
| L7 and (562/\$ or 560/\$) | 14        |

**Database:**

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

**Search:**

**Refine Search**

**Recall Text**

**Clear**

**Interrupt**

### Search History

**DATE:** Sunday, November 26, 2006    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

| <u>Set Name</u><br>side by side                                | <u>Query</u>  | <u>Hit Count</u> | <u>Set Name</u><br>result set |
|--|---|------------------|-------------------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> |   |                  |                               |
| <u>L8</u>  | L7 and (562/\$ or 560/\$)   | 14               | <u>L8</u>                     |
| <u>L7</u>  | L6 and oxygen concen\$7   | 196              | <u>L7</u>                     |
| <u>L6</u>  | L5 and (explo\$6 or flam\$6)  | 1003             | <u>L6</u>                     |
| <u>L5</u>  | L4 and reactor  | 2049             | <u>L5</u>                     |
| <u>L4</u>  | L3 and steady state   | 2049             | <u>L4</u>                     |
| <u>L3</u>  | L2 and cataly\$8 and reactor  | 23786            | <u>L3</u>                     |
| <u>L2</u>  | l1 and (propylene or propane or acrolein or isobutylene or methacrolein or xylene or naphthalene or benzene or butane ) | 109235           | <u>L2</u>                     |
| <u>L1</u>  | oxi\$6 and gas and absor\$6   | 248296           | <u>L1</u>                     |

END OF SEARCH HISTORY

## Hit List

First Hit  
   
   
   
   

Search Results - Record(s) 1 through 10 of 14 returned.

1. Document ID: US 20050171380 A1

L8: Entry 1 of 14

File: PGPB

Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050171380

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050171380 A1

TITLE: Process for the production of acrylic acid

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

| NAME                 | CITY           | STATE | COUNTRY |
|----------------------|----------------|-------|---------|
| Bub, Gunther         | Marl           |       | DE      |
| Mosler, Jurgen       | Castrop-Rauxel |       | DE      |
| Maschmeyer, Dietrich | Recklinghausen |       | DE      |
| Sabbagh, Andreas     | Duelmen        |       | DE      |
| Fornika, Roland      | Bonn           |       | DE      |
| Peuckert, Matthias   | Hunxe          |       | DE      |

US-CL-CURRENT: 562/545

|      |       |          |       |        |                |      |           |           |             |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

2. Document ID: US 20040199006 A1

L8: Entry 2 of 14

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199006

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199006 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

| NAME                    | CITY             | STATE | COUNTRY |
|-------------------------|------------------|-------|---------|
| Graham, Derek Alexander | Cleveland        |       | GB      |
| Hamley, Paul Anthony    | Nottingham       |       | GB      |
| Oliver, Raymond         | Stockton On Tees |       | GB      |

|                     |            |    |
|---------------------|------------|----|
| Poliakoff, Martyn   | Nottingham | GB |
| Woodcock, Duncan C. | Cheshire   | GB |
| Ilkenhans, Thomas   | Cambridge  | GB |

US-CL-CURRENT: 562/412

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

 3. Document ID: US 20040015012 A1

L8: Entry 3 of 14

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040015012  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20040015012 A1

TITLE: Safe operation of a continuous heterogeneously catalyzed gas-phase partial oxidation of at least one organic compound

PUBLICATION-DATE: January 22, 2004

## INVENTOR-INFORMATION:

| NAME                        | CITY        | STATE | COUNTRY |
|-----------------------------|-------------|-------|---------|
| Hammon, Ulrich              | Mannheim    |       | DE      |
| Meschke, Jochen             | Otterstadt  |       | DE      |
| Rauh, Ulrich                | Frankenthal |       | DE      |
| Muller-Engel, Klaus Joachim | Stutensee   |       | DE      |
| Schlemmer, Peter            | Eisenberg   |       | DE      |

US-CL-CURRENT: 562/532; 562/542, 702/22

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

 4. Document ID: US 20030187294 A1

L8: Entry 4 of 14

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187294  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030187294 A1

TITLE: Process for producing catalysts comprising nanosize metal particles on a porous support, in particular for the gas-phase oxidation of ethylene and acetic acid to give vinyl acetate

PUBLICATION-DATE: October 2, 2003

## INVENTOR-INFORMATION:

| NAME              | CITY      | STATE | COUNTRY |
|-------------------|-----------|-------|---------|
| Hagemeyer, Alfred | Frankfurt |       | DE      |

|                   |                   |    |
|-------------------|-------------------|----|
| Dingerdissen, Uwe | Seeheim-Jugenheim | DE |
| Kuhlein, Klaus    | Kelkheim          | DE |
| Manz, Andreas     | Sinzheim          | DE |
| Fischer, Roland   | Neckargemund      | DE |

US-CL-CURRENT: [560/241](#); [502/325](#), [502/344](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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 5. Document ID: US 20020028968 A1

L8: Entry 5 of 14

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028968  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20020028968 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: March 7, 2002

## INVENTOR-INFORMATION:

| NAME                    | CITY             | STATE | COUNTRY |
|-------------------------|------------------|-------|---------|
| Graham, Derek Alexander | Cleveland        |       | GB      |
| Hamley, Paul Anthony    | Nottingham       |       | GB      |
| Ilkenhans, Thomas       | Cambridge        |       | GB      |
| Oliver, Raymond         | Stockton on Tees |       | GB      |
| Poliakoff, Martyn       | Nottingham       |       | GB      |
| Woodcock, Duncan C.     | Cheshire         |       | GB      |

US-CL-CURRENT: [562/415](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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 6. Document ID: US 7074955 B2

L8: Entry 6 of 14

File: USPT

Jul 11, 2006

US-PAT-NO: 7074955  
 DOCUMENT-IDENTIFIER: US 7074955 B2

TITLE: Safe operation of a continuous heterogeneously catalyzed gas-phase partial oxidation of at least one organic compound

## PRIOR-PUBLICATION:

| DOC-ID            | DATE             |
|-------------------|------------------|
| US 20040015012 A1 | January 22, 2004 |

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

 7. Document ID: US 6987200 B2

L8: Entry 7 of 14

File: USPT

Jan 17, 2006

US-PAT-NO: 6987200

DOCUMENT-IDENTIFIER: US 6987200 B2

TITLE: Process for producing catalysts comprising nanosize metal particles on a porous support, in particular for the gas-phase oxidation of ethylene and acetic acid to give vinyl acetate

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030187294 A1

October 2, 2003

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

 8. Document ID: US 6765113 B2

L8: Entry 8 of 14

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

 9. Document ID: US 6603038 B1

L8: Entry 9 of 14

File: USPT

Aug 5, 2003

US-PAT-NO: 6603038

DOCUMENT-IDENTIFIER: US 6603038 B1

TITLE: Method for producing catalysts containing metal nanoparticles on a porous support, especially for gas phase oxidation of ethylene and acetic acid to form vinyl acetate

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMOC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

 10. Document ID: US 6320075 B1

L8: Entry 10 of 14

File: USPT

Nov 20, 2001

US-PAT-NO: 6320075

DOCUMENT-IDENTIFIER: US 6320075 B1

TITLE: Process and apparatus for preparing saturated carboxylic acids having one to four carbon atoms

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KIMC Draw. D.

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 11. Document ID: US 5654475 A

L8: Entry 11 of 14

File: USPT

Aug 5, 1997

US-PAT-NO: 5654475

DOCUMENT-IDENTIFIER: US 5654475 A

TITLE: Methods of making intermediate oxidation products by controlling oxidation rates in an atomized liquid

|      |       |          |       |        |                |      |           |           |             |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
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 12. Document ID: US 5347046 A

L8: Entry 12 of 14

File: USPT

Sep 13, 1994

US-PAT-NO: 5347046

DOCUMENT-IDENTIFIER: US 5347046 A

TITLE: Catalyst and process for using same for the preparation of unsaturated carboxylic acid esters

|      |       |          |       |        |                |      |           |           |             |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
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 13. Document ID: US 4327226 A

L8: Entry 13 of 14

File: USPT

Apr 27, 1982

US-PAT-NO: 4327226

DOCUMENT-IDENTIFIER: US 4327226 A

TITLE: Process and apparatus for producing aromatic dicarboxylic acids

|      |       |          |       |        |                |      |           |           |             |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D. |
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 14. Document ID: US 4159307 A

L8: Entry 14 of 14

File: USPT

Jun 26, 1979

US-PAT-NO: 4159307

DOCUMENT-IDENTIFIER: US 4159307 A

TITLE: Apparatus for producing aromatic dicarboxylic acids

|      |       |          |       |        |                |      |           |           |             |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

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